

Abstract of the Disclosure

A brake pad holder designed for adjustably mounting a bicycle
brake pad to a brake caliper arm. The brake pad holder is designed to
maintain the mounting arm thereof in an orthogonal orientation with
respect to the brake caliper arm, while the brake pad holder is
adjustable in three degrees of motion. The brake pad is removable for
repair and replacement thereof, independently from the brake pad
mount or other components of the brake pad assembly. The brake pad
mount defines a threaded opening for receiving a screw which, when
installed, is received within a recess defined by the brake pad. A
mounting arm receptor is defined in the bottom wall of the brake pad
mount and defines a concave interior configuration which defines a
cavity between the mounting arm receptor and the brake pad. A
through opening is centrally defined for receiving the mounting arm.
The mounting arm is a bolt having a head configured to be received
within the cavity defined between the mounting arm receptor and the
brake pad. The head defines a lower surface defining a convex
configuration to cooperate with the concave mounting arm receptor. A
bearing washer is disposed on the exterior of the brake pad mount and
defines a concave receptor for receiving the convex exterior of the
mounting arm receptor, thus allowing the brake pad mount to move in
either of the x-, y- or z-axes, independent of the mounting arm. Flat
washers are used as spacers for positioning the braking surface of the
brake pad at a selected distance from the wheel rim. A nut is provided
for tightening the brake pad mount in a selected orientation.

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